CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2017-08-28-07** **Date: 31-08-17**
Customer	:	Assistant Executive Engineer, Dasarahalli sub division, BBMP, Bangalore.
Address	:	Dasarahalli sub division, BBMP, Bangalore.
Project Name	:	Improvements and construction of CC drains right side of the 1st main road Dasarahalli in Ward no.15, Dasarahalli sub division.
Agency	:	Sri. N. Shivananda, No.35, 2nd cross, 1st A main road, Defiance colony, Bagalagunte, Bangalore.
Customer's Reference	:	EE/DD/WO/98/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-08-17
Sample ID No	:	2017-08-28-07/03
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	28-08-17
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	32	32	3.2	96.8	90-100	90-100	90-100	95-100
3	2.36 mm	151	183	18.3	81.7	60-95	75-100	85-100	95-100
4	1.18 mm	198	381	38.1	61.9	30-70	55-90	75-100	90-100
5	600 micron	201	582	58.2	41.8	15-34	35-59	60-79	80-100
6	300 micron	192	774	77.4	22.6	5-20	8-30	12-40	15-50
7	150 micron	177	951	95.1	4.9	0-10	0-10	0-10	0-15
8	Pan	49	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

CIVIL PRO Sig..... Date.....

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2017-08-28-07** **Date: 31-08-17**

Sample ID No : 2017-08-28-07/03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.52	–
2	Specific Gravity	2.54	–
3	Material finer than 75 micron(%)	4.1	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಮಾಗಡಿರಸ್ತೆ ಉಪ-ವಿಭಾಗ
ಬೆಂಗಳೂರು ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-09-09-03** **Date: 11/09/2017**

Customer : Assistant Executive Engineer, Dasarahalli sub division, BBMP, Bangalore.

Address : Dasarahalli sub division, BBMP, Bangalore.

Project Name : Improvements and construction of CC drains right side of the 1st main road Dasarahalli in Ward no.15, Dasarahalli sub division.

Agency : Sri. N. Shivananda, No.35, 2nd cross, 1st A main road, Defiance colony, Bagalagunte, Bangalore.

Customer's Reference : EE/DD/WO/98/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-09-17

Sample ID No : 2017-09-09-03/01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/09/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	04/09/2017	11/09/2017	149.54 X 150.55 X 150.28	22513	8.196	378.2	16.8	16.8
2	Drain Concrete	M20	04/09/2017	11/09/2017	150.65 X 150.53 X 151.05	22677	8.276	374.2	16.5	
3	Drain Concrete	M20	04/09/2017	11/09/2017	150.86 X 149.22 X 150.83	22511	8.153	384.9	17.1	

Note:

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-09-09-03** **Date: 02/10/2017**

Customer : Assistant Executive Engineer, Dasarahalli sub division, BBMP, Bangalore.

Address : Dasarahalli sub division, BBMP, Bangalore.

Project Name : Improvements and construction of CC drains right side of the 1st main road Dasarahalli in Ward no.15, Dasarahalli sub division.

Agency : Sri. N. Shivananda, No.35, 2nd cross, 1st A main road, Defiance colony, Bagalagunte, Bangalore.

Customer's Reference : EE/DD/WO/98/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-09-17

Sample ID No : 2017-09-09-03/02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/10/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	04/09/2017	02/10/2017	150.32 X 150.42 X 150.22	22611	8.155	468.1	20.7	21.0
2	Drain Concrete	M20	04/09/2017	02/10/2017	150.76 X 149.20 X 149.66	22493	8.165	479.1	21.3	
3	Drain Concrete	M20	04/09/2017	02/10/2017	150.54 X 150.28 X 151.01	22623	8.154	477.3	21.1	

Note:

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CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-09-09-03** **Date: 11/09/2017**

Customer : Assistant Executive Engineer, Dasarahalli sub division, BBMP, Bangalore.

Address : Dasarahalli sub division, BBMP, Bangalore.

Project Name : Improvements and construction of CC drains right side of the 1st main road Dasarahalli in Ward no.15, Dasarahalli sub division.

Agency : Sri. N. Shivananda, No.35, 2nd cross, 1st A main road, Defiance colony, Bagalagunte, Bangalore.

Customer's Reference : EE/DD/WO/98/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-09-17

Sample ID No : 2017-09-09-03/03

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/09/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	04/09/2017	11/09/2017	151.55 X 150.54 X 150.98	22814	8.172	394.7	17.3	17.1
2	Drain Concrete	M20	04/09/2017	11/09/2017	151.97 X 150.22 X 150.42	22829	8.148	392.7	17.2	
3	Drain Concrete	M20	04/09/2017	11/09/2017	150.76 X 150.87 X 150.19	22745	8.107	379.8	16.7	

Note:

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